

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Russell W. Seiffert

Serial No.: 10/664,205

Filed: September 17, 2003

Group: 2877

Examiner: Gordon J. Stock, Jr.

For: LASER ROLLER ALIGNMENT SYSTEM

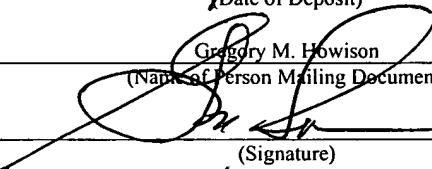
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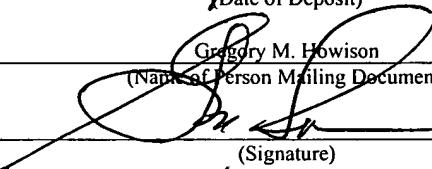
Dear Sir:

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AMENDMENT

In response to the Office Action dated June 15, 2004, please amend the above-referenced patent application as follows:

Amendments to the Specification begin on page 5 of this paper.

Amendments to the Drawings begin on page 8 of this paper.

The attached Replacement Sheets of Formal Drawings include changes to Figures 1, 14 and 15. Also, included are the annotated drawings showing the changes. The new Replacement sheets include changes required by the Examiner.

Remarks/Arguments begin on page 9 of this paper.

AMENDMENT AND RESPONSE

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Atty. Dkt. No. SEIF-26,393

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented): A system for aligning a plurality of cylindrical rollers comprising:
 - a light emitter having a horizontal planar light source for generating a horizontal planar light signal and a vertical planar light source for generating a vertical planar light signal;
 - a reflector unit having a reflective surface for receiving the vertical light signal from the light emitter unit and returning a reflected vertical light signal;
 - a horizontal lineal indicator on the exterior of the reflector unit;
 - a vertical lineal indicator on the light emitter unit; and
 - wherein by aligning the horizontal planar light signal with the horizontal lineal indicator and by aligning the reflected vertical light signal with the vertical lineal indicator, the longitudinal axes of the first and second cylindrical rollers are substantially parallel to each other.
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10. 2. (Previously Presented): The system of claim 1, wherein the light emitter unit and the reflector unit are both substantially cylindrical in shape.
3. (Previously Presented): The system of claim 2, wherein the light emitter unit and the reflector unit are each laterally disposed in a mounting bracket.
4. (Previously Presented): The system of claim 3, wherein the mounting bracket further comprises a lower portion for contacting a cylindrical roll.
5. (Previously Presented): The system of claim 4, wherein the lower portion forms an angle of about 125°.
6. (Previously Presented): The system of claim 4, wherein the mounting bracket further comprises a least two straps of nylon webbing, linked metal chains, or other means for securing the mounting bracket to the cylindrical roll.

7. (Withdrawn): A light emitter unit for use in aligning a plurality of cylindrical rollers comprising:

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- a housing;
- a vertical planar light source for generating a vertical planar light signal; and
- a horizontal planar light source for generating a horizontal planar light signal.

8. (Withdrawn): The light emitter unit of claim 7, further comprising:

a vertical lineal indicator on the exterior of the housing; and
wherein the vertical lineal indicator is aligned vertically with the vertical planer light source.

9. (Withdrawn): The light emitter unit of claim 7, wherein the light emitter unit is mounted on a first cylindrical roller and the horizontal planer light signal strikes a horizontal lineal indicator mounted on a second cylindrical roller to permit the first and second cylindrical rollers to be aligned in a common plane.

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10. (Withdrawn): The light emitter unit of claim 8, wherein the light emitter unit is mounted on a first cylindrical roller and the vertical planar light signal strikes a reflector mounted on a second cylindrical roller such that a reflected vertical planer light signal may strike the vertical lineal indicator of the light emitter unit to permit the first and second cylindrical rollers to be aligned substantially parallel to each other.

11. (Withdrawn): A reflector unit for use in aligning a plurality of cylindrical rollers comprising:

- a housing;
- a first surface reflector mounted to the exterior of the housing;
- a horizontal lineal indicator on the exterior of the housing; and
- wherein the horizontal lineal indicator is centered on the first surface reflector.

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12. (Withdrawn): The reflector unit of claim 11, wherein a horizontal planer light source for generating a horizontal planer light signal is mounted on a first cylindrical roller and the reflector unit is mounted on a second cylindrical roller such that the horizontal planer light signal strikes the horizontal lineal indicator to permit the first and second cylindrical rollers to be aligned in a common plane.

13. (Withdrawn): The reflector unit of claim 11, wherein a light emitter unit having a vertical planer light source for generating a vertical planer light signal is mounted on a first cylindrical roller and the reflector unit is mounted on a second cylindrical roller such that a reflected vertical planer light signal may strike a vertical lineal indicator on the exterior of light emitter unit to permit the first and second cylindrical rollers to be aligned substantially parallel to each other.

14. (Previously Presented): A method for aligning a plurality of cylindrical rollers comprising:

mounting a light emitter unit to the surface of a first cylindrical roller, the light emitter unit having a horizontal planar light source for generating a horizontal planar light signal and a vertical planar light source for generating a vertical planar light signal;

5 mounting a reflector unit to the surface of a second cylindrical roller, the reflector unit having a reflective surface for receiving the vertical light signal from the light emitter unit and returning a reflected vertical light signal;

activating the horizontal planar light source and the vertical planar light source;

adjusting the orientation of the second roller in the vertical plane to align the horizontal 10 planer light signal with a horizontal lineal indicator on the exterior of the reflector unit;

adjusting the orientation of the second roller in the horizontal plane to align the reflected vertical light signal with a vertical lineal indicator on the light emitter unit; and

15 wherein by aligning the horizontal planar light signal with the horizontal lineal indicator and by aligning the reflected vertical light signal with the vertical lineal indicator, the longitudinal axes of the first and second cylindrical rollers are substantially parallel to each other.

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